

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077440.D
 Acq On : 30 Oct 2023 11:08
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 03:55:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 03:41:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	345820	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	618956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	546962	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	250032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	246872	50.484	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	100.960%		
35) Dibromofluoromethane	7.804	113	211325	49.398	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.800%		
50) Toluene-d8	10.269	98	818017	49.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.575	95	272580	48.704	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	128311	46.015	ug/l	96
3) Chloromethane	2.146	50	241830	54.626	ug/l	100
4) Vinyl Chloride	2.287	62	231602	53.649	ug/l	99
5) Bromomethane	2.693	94	123622	54.648	ug/l	100
6) Chloroethane	2.840	64	155102	53.364	ug/l	98
7) Trichlorofluoromethane	3.175	101	303289	50.167	ug/l	96
8) Diethyl Ether	3.593	74	113505	52.231	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	3.963	101	180627	49.491	ug/l	96
10) Methyl Iodide	4.169	142	229820	49.870	ug/l #	90
11) Tert butyl alcohol	5.046	59	88204	227.707	ug/l	99
12) 1,1-Dichloroethene	3.940	96	178288	51.600	ug/l #	65
13) Acrolein	3.799	56	123869	242.495	ug/l	99
14) Allyl chloride	4.563	41	447950	53.741	ug/l #	83
15) Acrylonitrile	5.252	53	302576	257.566	ug/l	99
16) Acetone	4.022	43	332089	256.644	ug/l #	78
17) Carbon Disulfide	4.275	76	550280	51.509	ug/l	99
18) Methyl Acetate	4.563	43	250133	52.995	ug/l #	77
19) Methyl tert-butyl Ether	5.316	73	552265	50.921	ug/l	93
20) Methylene Chloride	4.805	84	248052	51.043	ug/l #	57
21) trans-1,2-Dichloroethene	5.310	96	214219	53.235	ug/l #	67
22) Diisopropyl ether	6.216	45	914634	51.629	ug/l #	88
23) Vinyl Acetate	6.157	43	1970477m	255.727	ug/l	
24) 1,1-Dichloroethane	6.110	63	472548	51.407	ug/l	92
25) 2-Butanone	7.081	43	424161	245.754	ug/l #	73
26) 2,2-Dichloropropane	7.075	77	401890	49.334	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	259568	52.066	ug/l	70
28) Bromochloromethane	7.422	49	212723	51.001	ug/l #	56
29) Tetrahydrofuran	7.446	42	262474	256.412	ug/l #	70
30) Chloroform	7.599	83	441901	51.487	ug/l	99
31) Cyclohexane	7.875	56	382815	50.078	ug/l #	77
32) 1,1,1-Trichloroethane	7.799	97	356583	50.425	ug/l	95
36) 1,1-Dichloropropene	8.004	75	328238	51.750	ug/l	92
37) Ethyl Acetate	7.169	43	186050	51.112	ug/l #	89
38) Carbon Tetrachloride	7.993	117	291970	48.849	ug/l	99
39) Methylcyclohexane	9.275	83	366095	50.586	ug/l #	79
40) Benzene	8.251	78	942847	52.130	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	111362	47.813	ug/l #	72
42) 1,2-Dichloroethane	8.328	62	291490	50.884	ug/l	90
43) Isopropyl Acetate	8.363	43	386497	51.452	ug/l #	80
44) Trichloroethene	9.028	130	226213	51.060	ug/l	83
45) 1,2-Dichloropropane	9.304	63	272540	51.183	ug/l	97
46) Dibromomethane	9.393	93	128401	50.107	ug/l	91
47) Bromodichloromethane	9.587	83	342623	50.586	ug/l	99
48) Methyl methacrylate	9.381	41	188356	52.530	ug/l #	62
49) 1,4-Dioxane	9.381	88	27897	1013.141	ug/l #	59
51) 4-Methyl-2-Pentanone	10.157	43	909533	245.994	ug/l #	82
52) Toluene	10.334	92	567363	51.457	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	365838	51.009	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	424488	51.433	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	168288	49.224	ug/l	94
56) Ethyl methacrylate	10.598	69	256048	50.371	ug/l #	60
57) 1,3-Dichloropropane	10.881	76	326014	51.017	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	674618	265.095	ug/l #	85
59) 2-Hexanone	10.922	43	662354	243.179	ug/l	77
60) Dibromochloromethane	11.075	129	205261	49.930	ug/l	95
61) 1,2-Dibromoethane	11.181	107	164255	50.733	ug/l	98
64) Tetrachloroethene	10.810	164	174420	50.088	ug/l	92
65) Chlorobenzene	11.604	112	582685	50.850	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	219288	50.641	ug/l	95
67) Ethyl Benzene	11.681	91	1119792	50.789	ug/l	93
68) m/p-Xylenes	11.792	106	809237	101.641	ug/l	79
69) o-Xylene	12.122	106	391293	51.309	ug/l	80
70) Styrene	12.134	104	668265	50.795	ug/l #	90
71) Bromoform	12.298	173	118538	49.377	ug/l #	99
73) Isopropylbenzene	12.422	105	1017343	49.906	ug/l	95
74) N-amyl acetate	12.234	43	354398	49.082	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	202706	50.727	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	149688m	44.803	ug/l	
77) Bromobenzene	12.704	156	227256	50.647	ug/l	71
78) n-propylbenzene	12.763	91	1294956	50.029	ug/l	93
79) 2-Chlorotoluene	12.851	91	736224	50.235	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	851607	49.787	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	77700	49.320	ug/l #	84
82) 4-Chlorotoluene	12.945	91	766444	50.206	ug/l	88
83) tert-Butylbenzene	13.169	119	720108	50.073	ug/l	90
84) 1,2,4-Trimethylbenzene	13.210	105	846172	49.800	ug/l	93
85) sec-Butylbenzene	13.345	105	1075733	48.888	ug/l	94
86) p-Isopropyltoluene	13.463	119	888220	49.661	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	443751	50.311	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	438247	49.731	ug/l	96
89) n-Butylbenzene	13.786	91	916700	49.312	ug/l	97
90) Hexachloroethane	14.051	117	181745	49.657	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	388866	50.168	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	33208	49.330	ug/l	81
93) 1,2,4-Trichlorobenzene	15.098	180	264782	49.724	ug/l	99
94) Hexachlorobutadiene	15.204	225	138582	48.247	ug/l	100
95) Naphthalene	15.333	128	511893	50.391	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	232071	50.489	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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